

# LOCAL NOTICE TO MARINERS

U.S. Department  
of Homeland Security

United States  
Coast Guard



## WEEKLY SUPPLEMENT

**ISSUED BY: COMMANDER ELEVENTH COAST GUARD DISTRICT (oan)**  
Coast Guard Island, Building 50-3, Alameda, California 94501-5100  
Telephone: Day: (510) 437-2970 24 Hour FAX: (510) 437-3423  
**For subscription information and other questions, comments and suggestions,**  
**call BM2 Rachel Mentz at (510) 437-2970 or**  
**e-mail at [rmmentz@d11.uscg.mil](mailto:rmmentz@d11.uscg.mil)**  
Boating Safety Classes or Information: 1-800-869-SAIL (7245)

**BROADCAST NOTICE TO MARINERS** - Information concerning aids to navigation and waterway management promulgated by BNM 1115-03 to BNM 1142-03 has been incorporated in this notice if still significant.

**LIGHT LIST REFERENCE: COMDTPUB P16502.6 LIGHT LIST, VOLUME VI 2003 Edition**

### USE OF THE LOCAL NOTICE TO MARINERS

**With the exceptions of Sections II, III, and VI, the Weekly Supplemental editions contain only new information available in the past seven days. For all available information concerning the waterways of the Eleventh Coast Guard District, consult Monthly Edition 40-03 and Weekly Editions 41-03 and 42-03.**

### I. SPECIAL NOTICES

#### **dGPS STATUS AS OF 28 Oct 2003:**

For information regarding the dGPS system, or for status updates contact the Petaluma Control Center at (707) 765-7612/ 7613.

Proposed off-air dates:

Pigeon Point Primary Date: 1800Z to 2000Z 25 Nov 2003

Alternate Date: 1800Z to 2000Z 26 Nov 2003

LNM 43/03 dated 28 Oct 2003.

#### **THE DATES OF LATEST EDITIONS, NAUTICAL CHARTS AND MISCELLANEOUS MAPS:**

The Dates of Latest Editions, Nautical Charts and Miscellaneous Maps, dated 01 Oct 2003, published by the National Ocean Service, is available for issue. It may be obtained free by mail from the National Aeronautical Charting Office, AVN-530, Federal Aviation Administration, 6303 Ivy Lane, Suite 400, Greenbelt MD, 20770-1479, by telephone at 1-800-638-8972 or from your local authorized nautical chart sales agent. This is a quarterly publication listing the most recent editions of nautical charts, miscellaneous maps and publications relating to navigation, weather, etc. with brief descriptions and up-to-date prices for most of the publications listed. Much of this information may also be obtained online at:

<http://chartmaker.ncd.noaa.gov/mcd/dole.htm>

LNM 43/03 dated 28 Oct 2003.

#### **NOAA PRINT ON DEMAND NAUTICAL CHARTS:**

Mariners have at their disposal a new means to obtain an up-to-date chart. Selected Print-on-Demand chart agents have the capability to print charts, on site, from the latest NOAA digital files. In future, the expectation is to have remote print sites located throughout the United States. Utilizing this remote print capability furthers the mission of providing the maritime industry with the most current information. These NOAA charts, updated by NOAA cartographers to all Notices and critical safety items known to NOAA in advance of publication in a Notice, are distributed by NOAA's partner, OceanGrafix, under the brand name, Charts-on-Demand. For information see [oceangrafix.com](http://oceangrafix.com) or [nauticalcharts.noaa.gov/pod](http://nauticalcharts.noaa.gov/pod). For questions contact NOAA at [help@nauticalcharts.gov](mailto:help@nauticalcharts.gov)  
LNM 43/03 dated 28 Oct 2003.

#### **LORAN-C STATUS AS OF 28 Oct 2003:**

Loran-C stations for 8290 and 9940 Chains are on air. For information regarding the Loran-C System, contact the Coordinator of Chain Operations West Coast at (707) 765-7518. LORSTA Searchlight (RATE 9610-W/9940-Y) will be unusable from 1800Z to 2000Z on 19 Nov 2003.  
LNM 43/03 dated 28 Oct 2003.

## II. DISCREPANCIES / DISCREPANCIES CORRECTED AS OF 0800U 28 Oct 2003

DISCREPANCIES: (bold type and \* denote new information since last LNM)

LLNR	NAME OF AID	STATUS	CHARTS AFFECTED	BNM REF.	LNLM REF.
45/2296	Oceanside South Jetty LT 2	FOG SIGNAL INOPERATIVE	18774	1104-03	42-03
360.00	<b>San Francisco App LHB SF</b>	<b>DIM/FOG SIG INOP/RACON INOP</b>	<b>18649</b>	<b>1125-03</b>	<b>43-03*</b>
561.00	Saint George Reef LT	EXTINGUISHED	18600	1102-03	42-03
3970.00	<b>Monterey Bay LT 6</b>	<b>FOG SIGNAL INOPERATIVE</b>	<b>18685</b>	<b>1132-03</b>	<b>43-03</b>
4305.00	SF Yacht HBR East LT 2	EXTINGUISHED	18649	1038-03	40-03
6557.00	Suisun Bay CH LT 24A	LEANING	18654	0610-03	22-03
6625.00	New York Slough LT 5	EXTINGUISHED/DAMAGED/TRLB	18654	0839-03	32-03

### DISCREPANCIES CORRECTED:

2565.00	Wilson Cove N End LT	WATCHING PROPERLY	18746	1082-03	42-03
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## III. TEMPORARY CHANGES/TEMPORARY CHANGES CORRECTED - ESTABLISHED/DISCONTINUED AIDS

### TEMPORARY CHANGES :

1595.00	Shelter Island West End LT 2	TRLB	18773	0124-03	04-03
2225.00	Chula Vista Channel LT 15	TRLB	18773	0280-02	14-02
2570.00	San Clemente N End Radar Buoy A	DISESTABLISHED	18762	1064-02	45-02
3117.00	Los Angeles Main Channel LB 11	DISESTABLISHED	18751	0886-03	35-03
3260.00	San Pedro E Channel LB 2	TRLB	18751	0887-03	35-03
4960.00	San Bruno Shoal Channel LT 4	TRLB	18651	1070-03	41-03
5140.00	Coyote PT. Yacht HBR LT 1	DISESTABLISHED	18651	0995-03	39-03
5145.00	Coyote PT. Yacht HBR LT 2	DISESTABLISHED	18651	0996-03	39-03
5685.00	Richmond LT 4	TRLB	18649	0587-03	20-03
6860.00	San Joaquin River LT 49	TRLB	18661	0243-03	09-03
7945.00	Bodega HBR Channel DBN 34	TRUB	18643	0829-03	32-03

### TEMPORARY CHANGES CORRECTED:

None.

## IV. CHART CORRECTIONS

18020	36 <sup>th</sup> ed.	01/27/2001	NAD 83	Last LNM: 38/03	( CGD11 )	43/03
	CA - SAN DIEGO TO CAPE MENDOCINO					
	Change	Light Fl 6s 7M to Fl 6s 5M			at	33°01'24.120"N 118°33'51.289"W
18022	33 <sup>rd</sup> ed.	01/26/2002	NAD 83	Last LNM: 38/03	( CGD11 )	43/03
	CA - SAN DIEGO TO SAN FRANCISCO BAY					
	Change	Light Fl 6s 60ft		7M to Fl 6s 60ft 5M	at	33°01'24.120"N 118°33'51.289"W
18651	42 <sup>nd</sup> ed.	02/01/2003	NAD 83	Last LNM: 38/03	( NOS NW - 7015 )	43/03
	CA - SAN FRANCISCO BAY- SOUTHERN PART					
	Add	<a href="#">Tabulation</a> - Redwood City Harbor			centered at	37°30'00.000"N 122°17'00.000"W
18652	32 <sup>nd</sup> ed.	07/01/2003	NAD 83	Last LNM: 41/03	( NOS NW - 7016 )	43/03
	CA - SAN FRANCISCO BAY TO ANTIOCH REDWOOD					
	(Page B)					
	Change	depth legend to:				
		26½ FT FOR WIDTH OF 300-350 FT MAR 2001 - JUL 2003			centered at	37°32'20.800"N 122°11'37.200"W
	Add	<a href="#">Tabulation</a> - Suisun Bay and San Joaquin River			centered at	38°07'35.000"N 121°50'30.000"W
18654	42 <sup>nd</sup> ed.	03/06/2002	NAD 83	Last LNM: 41/03	( NOS NW - 7024 )	43/03
	CA - SAN PABLO BAY					
	Add	<a href="#">Tabulation</a> - Pinole Shoal Channel			centered at	37°58'51.000"N 122°14'41.000"W
18656	53 <sup>rd</sup> ed.	03/01/2003	NAD 83	Last LNM: 38/03	( NOS NW - 7031 )	43/03
	CA - SUISUN BAY					
	Add	<a href="#">Tabulation</a> - Suisun Bay			centered at	38°10'25.000"N 121°51'23.000"W
18659	14 <sup>th</sup> ed.	09/18/1999	NAD 83	Last LNM: 34/03	( NOS NW - 7031 )	43/03
	CA - SUISUN BAY MALLARD ISLAND TO ANTIOCH					
	Add	<a href="#">Tabulation</a> - Suisun Bay			centered at	38°00'59.000"N 121°51'41.000"W

## Chart Corrections (Cont)

18666	1 <sup>st</sup> ed.	11/24/2001	NAD 83	Last LNM: 28/03	( NOS NW - 7031)	4303
	CA - SUISUN BAY					
	Add	<a href="#">Tabulation</a>	- Suisun Bay		centered at	38°01'45.000"N 121°56'34.500"W
18762	15 <sup>th</sup> ed.	06/06/1998	NAD 83	Last LNM: 32/01	( CGD11 )	43/03
	CA - SAN CLEMENTE ISLAND					
	Change	Light Fl 6s 60ft 7M to Fl 6s 60ft 5M			at	33°01'24.120"N 118°33'51.289"W
18763	9 <sup>th</sup> ed.	06/16/1990	NAD 83	Last LNM: 16/02	( CGD11 )	43/03
	CA - SAN CLEMENTE ISLAND-NORTHERN PART					
	Change	Light Fl 6s 60ft 7M to Fl 6s 60ft 5M			at	33°01'24.120"N 118°33'51.289"W

## V. ADVANCE NOTICE OF CHANGES IN AIDS TO NAVIGATION

None.

## VI. PROPOSED CHANGES IN AIDS TO NAVIGATION

None.

## VII. GENERAL INFORMATION

All times are given in local time, represented by the time followed by (T).

**GENERAL – LOCAL NOTICE TO MARINERS ON THE INTERNET** – Coast Guard District 11 offers the Local Notice to Mariners (LNM) on the internet; [www.navcen.uscg.gov/lnm/d11](http://www.navcen.uscg.gov/lnm/d11). Customers with internet access are encouraged to take advantage of this service. It provides information faster and allows for several copies of the LNM if necessary. The use of the above service would assist with reducing publishing and mailing costs. Should you decide to use the web access, contact BM2 Rachel Mentz at (510) 437-2970 or [rmentz@d11.uscg.mil](mailto:rmentz@d11.uscg.mil) in order to discontinue your paper copy.  
Chart: None LNM 43/03 dated 28 Oct 2003.

**SOUTHERN CALIFORNIA – SAN DIEGO BAY** – Marathon Construction Corporation will be repairing the Chollas Creek fender system and Quaywall from 29 Oct 2003 through 26 May 2006. The construction will be in the vicinity of the Naval Amphibious Base, Coronado and Naval Station San Diego. Mariners are advised to use caution when transiting the area. For further comments or details, contact Matt Richer at (619) 843-8976.  
Chart: 18773 LNM 43/03 dated 28 Oct 2003.

**SOUTHERN CALIFORNIA – SANTA BARBARA HARBOR** – DREDGING OPERATIONS – Nova Dredging, LLC will be conducting dredging operations and beach replenishment in the Santa Barbara Harbor between West and East Beach from 01 Nov through 12 Dec 2003. The DREDGE *RYAN W* and several support vessels will be on scene and monitoring VHF-FM Ch. 9 and 16. Mariners are advised to use caution when transiting the area. For further comments or details, contact Dan Fox at (707) 287-5923.  
Chart: 18720 LNM 43/03 dated 28 Oct 2003.

**NORTHERN CALIFORNIA – SAN FRANCISCO BAY – MARINE EVENTS** – Please refer to the Yacht Race Association website: [www.YRA.org](http://www.YRA.org) for yacht race schedules in the SF Bay. For further comments or details, contact MST1 Brian Clark at (415) 399-3440.  
Chart: None LNM 43/03 dated 28 Oct 2003.

**NORTHERN CALIFORNIA – SAN FRANCISCO BAY – MARINE EVENT** – James Miller will sponsor a swimming event involving 6 participants swimming from Alcatraz to Aquatic Park from 0730T to 0830T on 04 Nov 2003. All mariners are advised to use caution when transiting the area. The event sponsor will be monitoring VHF-FM Ch. 14. For further comments or details, contact MST1 Brian Clark at (415) 399-3440.  
Chart: 18650 LNM 43/03 dated 28 Oct 2003.

**NORTHERN CALIFORNIA – SAN FRANCISCO BAY – DREDGING OPERATIONS** – The Salt River Construction Company will conduct dredging operations in the San Rafael Canal in the county of Marin from 01 Nov 2003 through 01 Jun 2004. The D/B *BARBARA ANN* and the TUG *IRENE LAURITZEN* will be on scene and monitoring VHF-FM Ch. 13, 14, and 78. Mariners are advised to use caution when transiting the area. For further comments or details, contact Rick Moseley at (415) 435-1024.  
Chart: 18652 LNM 43/03 dated 28 Oct 2003.

**NORTHERN CALIFORNIA – SAN FRANCISCO BAY – DREDGING OPERATIONS** – The Salt River Construction Company will conduct dredging operations at the Benicia Marina from 01 Nov through 30 Nov 2003. The D/B *BARBARA ANN* and the TUG *IRENE LAURITZEN* will be on scene and monitoring VHF-FM Ch. 13, 14, and 78. Mariners are advised to use caution when transiting the area. For further comments or details, contact Rick Moseley at (415) 435-1024.  
Chart: 18652 LNM 43/03 dated 28 Oct 2003.

**NORTHERN CALIFORNIA – SACRAMENTO RIVER – DREDGING OPERATIONS** – Ross Island Sand and Gravel will be conducting dredging operations in the Sacramento River Deep Water Ship Channel between river mile 30.45 (Lights 65/66) and river mile 33.52 (Lights 67/68) through 25 Nov 2003. D/B No. 7 will be on scene and monitoring VHF-FM Ch. 13 and 14. Mariners are advised to use caution when transiting the area. For further comments or details, contact Dave Willoughby at (503) 706-7291.  
Chart: 18662 LNM 43/03 dated 28 Oct 2003.

28 Oct 2003

THE LOCAL NOTICE TO MARINERS IS AVAILABLE ON THE  
WORLD WIDE WEB AT [WWW.NAVCEN.USCG.GOV/LNM/D11](http://WWW.NAVCEN.USCG.GOV/LNM/D11)

LNM 43/03

## General Info (Cont)

**BRIDGE INFORMATION - DISCREPANCIES AND CORRECTIONS** - Questions regarding bridge operations, discrepancies, regulations or permit applications, please contact: Eleventh Coast Guard District Bridge Section, Coast Guard Island, Building 50-3, Alameda, CA 94501-5100 Phone: (510) 437-3514 or the Coast Guard Command Center at (510) 437-3701. Flotsam and drift may have accumulated on and near bridge piers and abutments and mariners should approach all bridges with caution. Mariners are requested to transit bridge construction sites with minimum wake to ensure safe working conditions.

**NORTHERN CALIFORNIA – CARQUINEZ STRAIT** – BENICIA/MARTINEZ EXISTING I-680 HIGHWAY BRIDGE – Air hoses previously suspended below low steel of the channel span have been removed.  
Chart: 18657 LNM 43/03 dated 28 Oct 2003.

**NORTHERN CALIFORNIA – CONNECTION SLOUGH** – PROPOSED RECLAMATION DISTRICT DRAWBRIDGE REGULATION CHANGE - The comment period for the Notice of Proposed Rulemaking (NPRM), for the proposed regulation change has ended. A preliminary review indicates an additional comment period is required to ensure waterway users understand and comment on the proposal prior to a Coast Guard determination. A supplemental NPRM will be issued and waterway users will be notified of the new comment period via the Federal Register and the Local Notice to Mariners. Mariners are encouraged to read the Federal Register and provide comments based upon the information provided by the NPRM.  
Chart: 18661 LNM 43/03 dated 28 Oct 2003.

## VIII. CORRECTIONS TO LIGHT LIST, VOLUME VI: PACIFIC COAST AND PACIFIC ISLANDS 2003

(\*Denotes the column in which a correction has been made or new information added.)

(1) No.	(2) Name and location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CALIFORNIA - Eleventh District							
2565	-NORTH END LIGHT	33 01 24 N 118 33 51 W	FL W 6s	60	5	NR on post.	Visible from 139° to 330° partially obscured by hills elsewhere. 43/03
		*			*		
2965	CATALINA LANDING WEST LIGHT	33 45 42 N 118 12 00 W	F G	27		On post	Private aid. 43/03
		*					
2980	Queen Mary Cruise Terminal Light S	33 44 59 N 118 11 14 W	FI W 4s	20		On post.	Private aid. 43/03
		*					
2985	Queen Mary Cruise Terminal Light N	33 45 11 N 118 11 14 W	Q W	20		On post.	Private aid. 43/03
*	*	*	*	*	*	*	*
3023.1	-Lighted Mooring Buoy C						Remove from list. 43/03
*	*	*	*	*	*	*	*
3027.5	-Mid Breakwater Lighted Mooring Buoy						Remove from list. 43/03
*	*	*	*	*	*	*	*
3224	Pier 300 Berth 301 Pier End Light	33 43 49 N 118 15 52 W	F W	16		On post.	Private aid. 43/03
	*	*				*	

## **X. ADDITIONAL ENCLOSURES**

Enclosure (1)- Coast Pilot 7 Change No. 15.  
Enclosure (2)- Tabulation Chart 18651  
Enclosure (3)- Tabulation Chart 18652  
Enclosure (4)- Tabulation Chart 18654  
Enclosure (5)- Tabulation Chart 18656  
Enclosure (6)- Tabulation Chart 18659  
Enclosure (7)- Tabulation Chart 18666



J. R. JOHNSON  
Lieutenant, U.S Coast Guard  
Acting Chief, Aids to Navigation and  
Waterways Management Branch

## Enclosure (1)

Publication–National Ocean Service–U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii, and Pacific Islands, 2003 (35<sup>th</sup>) Edition. Change No. 15.

Coast Pilot 7 35<sup>th</sup> 2003 Corrections

Page 243-Paragraph 27, line 4; read:  
limits and regulations.) A series of floating protection barriers, anchored by lighted buoys, surrounds the Naval facility within the security zone on the NE side of North Island.  
(CL 1110/03; NOS 18773; 35/03 CG11)

Page 243-Paragraph 34, line 6; read:  
**165.1121**, chapter 2, for limits and regulations.) A series of floating protection barriers, anchored by lighted buoys, surrounds the Naval facility within the security zone on the W side of the entrance to San Diego Bay, just N of Ballast Point.  
(CL 1110/03; NOS 18773; 35/03 CG11)

Page 244-Paragraph 53, line 4; read:  
pilotage, unless a pilot is actually employed.

Pilotage and berthing requirements for naval vessels are coordinated by Naval Base San Diego Port Operations, 619-556-1433.

(CL 1542/03)

Page 245-Paragraph 64, line 5; read:  
regulations.) A series of floating protection barriers, anchored by lighted buoys, surrounds the Naval facility within the security zone.  
(CL 1110/03; NOS 18773; 35/03 CG11)

Page 267-Paragraph 425, lines 2-7; read:  
inshore is a large power plant with five large smokestacks approximately in-line and parallel with the beach. A private light is shown from atop the power plant.  
(CL 1274/03)

Page 336-Paragraph 387, lines 2-3; read:  
the E end of Coast Guard Island has a clearance of 11 feet. The three highway drawbridges ...  
(CL 1131/03)

Page 405-Paragraph 232, lines 4-8; read:  
approach to the bay and a lighted bell buoy and **085.5°** lighted range mark the entrance to the bay and the approach to the dredged channel to the basin, respectively; a fog signal is about 50 yards SW of the bridge. The navigator is cautioned ...  
(LL/03; NOS 18561)

Page 407-Paragraph 266, lines 2-4; read:  
jetties. The N jetty extends about 650 yards offshore. A lighted whistle buoy is 1.25 miles W of the seaward end of the N jetty. The ...  
(CL 1222/03; NOS 18558)

Page 555-Paragraph 470, line 7; read:  
center. A private fog signal marks each of the two piers. In April 2003, a fixed bridge was under construction just S of the existing bridge with a design clearance of 180 feet at the center.  
(CL 1137/03)

Page 607-Paragraph 658, lines 4-5; read:  
point. Between Puu o Hulu and Kaneilio ...  
(BP 159014; NOS 19361)

Page 607-Paragraph 660, lines 10-12; read:  
In April 1996, the controlling depths were 9 feet in the entrance channel, thence 11 feet in the main access channel along the L-shaped breakwater, thence 12 feet in the turning basin. Berthing, water ... (BP 159014; NOS 19361)

Enclosure (2)  
Chart 18651

CHART 18651							
PACIFIC CITY HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
CHANNEL ENTRANCE (37°30'16"N, 122°11'43"W)							
TO LIGHT 8	38.3	38.0	35.8	3-01, 7-03	705-900	1.07	30
LIGHT 8 TO LIGHT 14	37.0	36.0	35.7	3-01, 7-03	308-380	.88	30
LIGHT 14 TO LIGHT 15	26.4	26.8	27.1	3-01	300	.58	30
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Enclosure (3)  
Chart 18652

CHART 18652							
SUISUN BAY AND SAN JOAQUIN RIVER							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SUISUN PT. REACH	44.3	45.5	47.2	2-03	300	0.8	35
BULLS HEAD CHANNEL	36.4	35.7	34.5	2-03	300-350	1.2	35
EAST BULLS HEAD CHANNEL	33.4	34.2	33.7	2-03	350	1.1	35
PT. EDITH CROSSING RANGE	35.1	34.7	29.2	2-03	350	1.1	35
PRESTON PT. REACH	35.5	35.7	34.4	2-03	350	0.9	35
ROE ISLAND CHANNEL	33.2	35.8	33.0	2-03	350	1.1	35
PORT CHICAGO REACH	38.0	38.0	38.1	2-03	350	0.52	35
MIDDLE GROUND CHANNEL							
WEST REACH	37.4	37.7	36.4	2-03	350	1.29	35
EAST REACH	36.4	38.2	36.8	2-03	350	1.09	35
NEW YORK BLOUGH							
WEST REACH	35.1	35.5	34.9	2-03; 7-03	400	1.3	35
EAST REACH	35.0	35.0	35.0	7-03	400	1.7	35
SAN JOAQUIN RIVER							
ANTIOCH REACH	32.2	32.6	31.3	4-03	400	3.3	35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Enclosure (4)  
Chart 18654

PRINCE GEORGE CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	DEPTH (FEET)
CHANNEL ENTRANCE (30°13'30"N, 122°02'47"W) TO LT. 11 THENCE TO 38°32'37"N, 122°17'08"W	30.9	35.4	34.1	7-03	600	2.5
	32.7	36.1	35.0	5-02; 7-03	600	2.2
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Enclosure (5)  
Chart 18656

CHART 18656						
SUISUN BAY						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	DEPTH (FEET)
SUISUN PT. REACH	44.3	45.5	47.2	2-03	300	0.8
BULLS HEAD CHANNEL	36.4	35.7	34.5	2-03	300-350	1.2
EAST BULLS HEAD CHANNEL	33.4	34.2	33.7	2-03	350	1.1
PT. EDITH CROSSING RANGE	35.1	34.7	28.2	2-03	350	1.1
PRESTON PT. REACH	35.5	35.7	24.4	2-03	350	0.9
ROE ISLAND CHANNEL	33.2	35.8	33.0	2-03	350	1.1
PORT CHICAGO REACH	38.0	38.0	38.1	2-03	350	0.52
MIDDLE GROUND CHANNEL						
WEST REACH	37.4	37.7	36.4	2-03	350	1.29
EAST REACH	36.4	38.2	36.8	2-03	350	1.09
NEW YORK SLOUGH						
WEST REACH	35.1	35.5	34.9	2-03; 7-03	400	1.3
EAST REACH	35.0	35.0	35.0	7-03	400	1.7
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						



Enclosure (6)  
Chart 18659

CHART 18659							
SUISUN BAY							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
NEW YORK SLOUGH							
WEST REACH	35.1	35.5	34.9	2-03; 7-03	400	1.3	35
EAST REACH	35.0	35.0	35.0	7-03	400	1.7	35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Enclosure (7)  
Chart 18666

CHART 18666							
SUISUN BAY							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
MIDDLE GROUND CHANNEL							
WEST REACH	37.4	37.7	36.4	2-03	350	1.29	35
EAST REACH	36.4	38.2	36.8	2-03	350	1.09	35
NEW YORK SLOUGH							
WEST REACH	35.1	35.5	34.9	2-03; 7-03	400	1.3	35
EAST REACH	35.0	35.0	35.0	7-03	400	1.7	35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

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